







Intermittent Source: 30 lb/hr; 5 m stack ht; 0.2 NO2/NOx

**Model 2 scenarios for Intermittent sources:** 

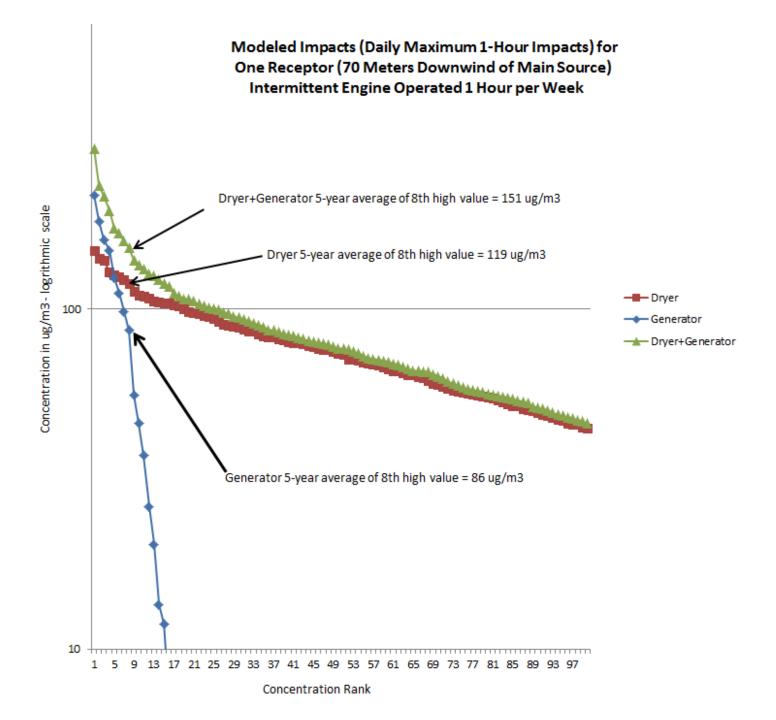
- 1 hr/week (random hour)
- 1 hr/month (random hour)
- PVMRM

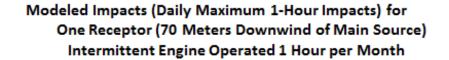


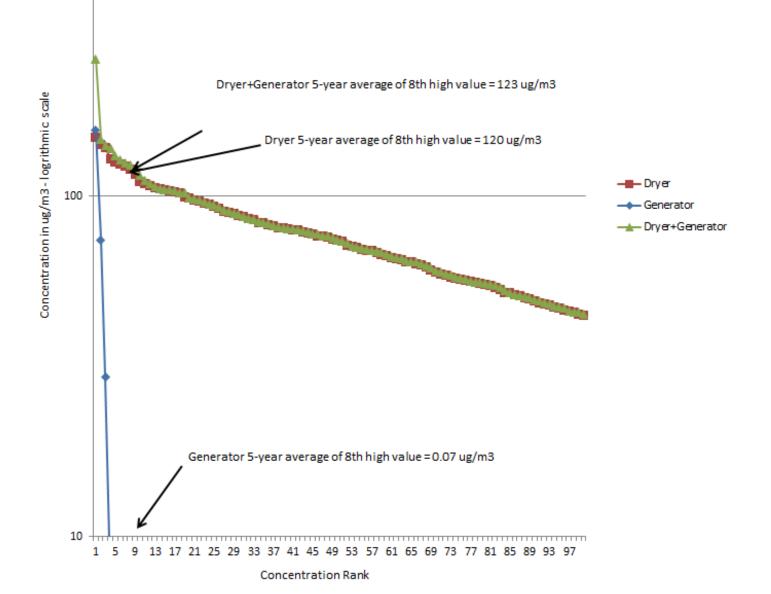


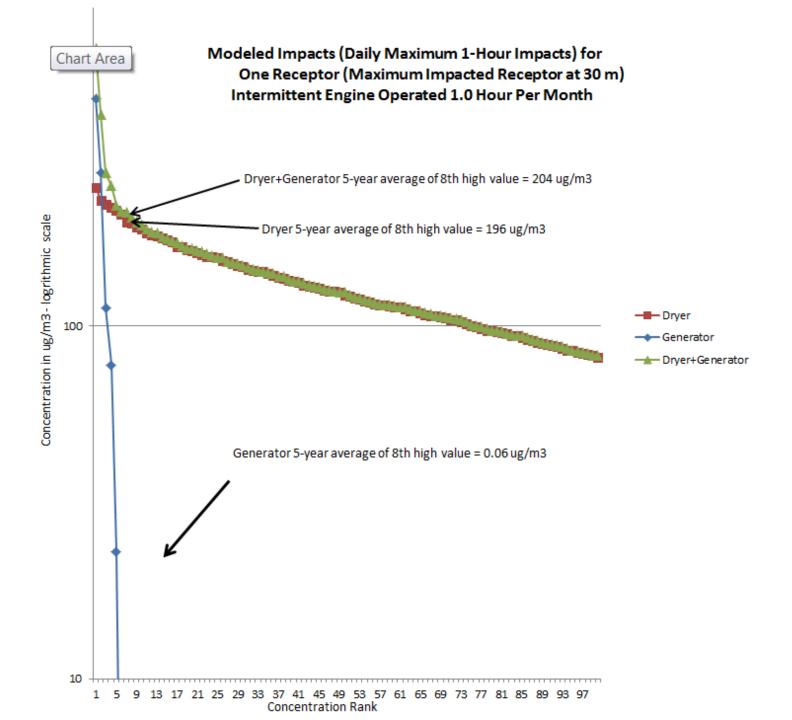
- Select 1 downwind receptor
- Sort and rank NO2 impacts for each year
- Calculate 5-year means and sort by ranking for each source & combined impact

Plot ranked impacts









## **Conclusions**

 Weekly 1 hour operations can have a substantial effect on design values

 Monthly 1-hour operations can have a measurable effect on design values if close to the standard and near source

 Monthly 1-hour operations have a minimal effect on design values when not near source

## **Model or Not Model**

 Monthly operations or less may be a good threshold for exclusion

- Weekly operations can affect design value, but impacts quickly drop off because of limited hours
  - Monthly 1-hour operations have a minimal effect on design values when not near source